

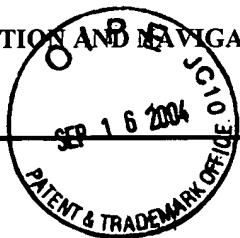
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

1fw
Docket No.
158982

In Re Application Of: VASS ET AL.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/710,923	08/12/2004	NYA	23413	NYA	NYA

Title: METHOD AND APPARATUS FOR MEDICAL INTERVENTION PROCEDURE PLANNING AND
LOCATION AND NAVIGATION OF AN INTERVENTION TOOL



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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Dated: September 14, 2004

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

File No.
158982 / GEM-0163

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Group:
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(Use several sheets if necessary)

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	1	3,954,098	05/04/1976	Dick et al.	128	2.05 Z	01/31/1975
	2	4,574,807	03/11/1986	Hewson et al.	128	419 PG	03/02/1984
	3	5,245,287	09/14/1993	Nowak et al.	324	322	08/05/1992
	4	5,274,551	12/28/1993	Corby, Jr.	364	413.13	11/29/1991
	5	5,304,212	04/19/1994	Czeisler et al.	607	88	01/10/1992
	6	5,348,020	09/20/1994	Huston	128	696	12/15/1992
	7	5,353,795	10/11/1994	Souza et al.	128	653.2	12/10/1992
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	4	2003/0018251 A1	01/23/2003	Solomon	600	427	04/05/2002
	5	2003/0023266 A1	01/30/2003	Borillo et al.	606	200	07/19/2002
	6	2003/0028183 A1	02/06/2003	Sanchez et al.	606	34	03/27/2001

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		2	L. Gepstein et al., "A Novel Method for Nonfluoroscopic Catheter-Based Electroanatomical Mapping of the Heart: In Vitro and In Vivo Accuracy Results;" <i>Circulation</i> 1997; 95:1611-22.
		3	S. Shpun et al., "Guidance of Radiofrequency Endocardial Ablation with Real-time Three-dimensional Magnetic Navigation System;" <i>Circulation</i> 1997; 96:2016-21.
		4	J. Sra et al., "Electroanatomic Mapping to Identify Breakthrough Sites in Recurrent Typical Human Flutter;" <i>Pacing Clin. Electrophysiol</i> 2000; 23:1479-92.

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Date considered

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		Filing Date: 08/12/2004	Group: NYA

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	9	5,568,384	10/22/1996	Robb et al.	364	419.13	10/13/1992
	10	5,823,958	10/20/1998	Truppe	600	426	06/15/1994
	11	5,839,440	11/24/1998	Liou et al.	128	654	06/17/1994
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	13	6,081,577	06/27/2000	Webber	378	23	02/19/1999
	14	6,154,516	11/28/2000	Heuscher et al.	378	15	09/18/1998
	15	6,233,304 B1	05/15/2001	Hu et al.	378	8	11/25/1998
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		5	R.J. Schilling et al.; "Simultaneous Endocardial Mapping in the Human Left Ventricle Using a Noncontact Catheter: Comparison of Contact and Reconstructed Electrograms During Sinus Rhythm;" <i>Circulation</i> 1998; 98:997-98.
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		7	J. Sra et al., "Noncontact Mapping for Radiofrequency Ablation of Complex Cardiac Arrhythmias;" <i>J. Interven. Cardiac Electrophysiol</i> 2001; 5:323-331.
		8	N. M.S. de Groot et al., "Three-Dimensional Catheter Positioning During Radiofrequency Ablation in Patients: First Application of a Real-Time Position Management System;" <i>J. Interven. Cardiac Electrophysiol</i> 2001; Nov. 11(11):1183-92

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	19	6,314,310 B1	11/06/2001	Ben-Haim et al.	600	424	01/22/1998
	20	6,325,797 B1	12/04/2001	Stewart et al.	606	41	04/05/1999
	21	6,348,793 B1	02/19/2002	Balloni et al.	324	309	11/06/2000
	22	6,353,445 B1	03/05/2002	Babula et al.	345	733	11/25/1998
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		10	F. Wittkamp et al., "Real-Time, Three-Dimensional, Nonfluoroscopic Localization of the Lasso Catheter;" <i>J. Interven. Cardiac Electrophysiol.</i> 2002, 13:630				
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	25	6,421,412 B1	07/16/2002	Hsieh et al.	378	9	08/23/1999
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	30	6,556,695 B1	04/29/2003	Packer et al.	382	128	09/16/1999
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	13	Z. Zhang; " Iterative Point Matching for Registration of Free-Form Curves;" <i>Inria</i> 1992, pages 1 - 40.
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	23	L. Thurfell et al.; "Registration of Neuroimaging Data: Implementation and Clinical Applications;" <i>American Society of Neuroimaging</i> ; 2000; 10:39-46
	24	S. A. Ben-Haim et al.; "Nonfluoroscopic, in vivo navigation and mapping technology;" <i>Nature Medicine</i> ; 1996, 2:1393-5.
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	27	V. Fuster et al. "ACC/AHA/NASPE 2002 Guidelines Update for Implantation of Pacemakers and Antiarrhythmia Devices;" <i>J. Am. Coll. Cardiol</i> 2001; 38:1-47.
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	30	P.A. van den Elsen et al.; "Medical Image Matching - A Review with Classification;" <i>IEEE Engineering in Medicine and Biology</i> , 1993; 26 - 38.
	31	G. T. Barnes et al.; "Conventional and Spiral Computed Tomography: Physical Principles and Image Quality Considerations;" <i>Computed Body Tomography</i> , 1998, Lippincot-Raven, Philadelphia, PA pp 1 - 20.
	32	Milan Sonka and J. Michael Fitzpatrick (eds); <i>Handbook of Medical Imaging Vol. 2. Medical Image Processing and Analysis</i> ; pp 129-174 & 447-506
	33	W. M. Feinberg et al.; "Prevalence, Age Distribution, and Gender of Patients with Atrial Fibrillation;" <i>Arch. Intern. Med. Vol. 155</i> ; March 1995; pages 469-473
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	35	M. Haissaguerre, P. Jais, S. C. Shah, A. Takahashi, M. Hocini, G. Quiniou, S. Garrigue, A. Le Mouroux, P. Le Metayer, and J. Clementy; "Spontaneous Initiation of Atrial Fibrillation by Ectopic Beats Originating in the Pulmonary Veins;" The New England Journal of Medicine, Vol 339, No. 10, September 3, 1998; pp 659-668.
	36	C. Pappone, S. Rosanio, G. Augello, G. Gallus, G. Vicedomini, P. Mazzone, S. Gulletta, F. Gugliotta, A. Pappone, V. Santinelli, V. Tortoriello, S. Sala, A. Zangrillo, G. Crescenzi, S. Benussi, and O. Alfieri; "Mortality, Morbidity, and Quality of Life After Circumferential Pulmonary Vein Ablation for Atrial Fibrillation;" Journal of the American College of Cardiology, Vol. 42, No. 2; 2003; 185 - 197.
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	39	M. D. Leash, T. Trepelse, H. Omran, A. Bartorelli, P. Della Bella, T. Nakai, M. Reisman, D. fleschenberb, U. Krumdordf, and D. Scherer; "Tiny Device Blocks 'Usless' Part of Heart, prevents blood clots;" Journal Report; American Heart Association; April 9, 2002
	40	Ellen Barlow; "Operating in 3-D" found at www.med.harvard.edu/publications/HMAB/196fo3d.html

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